

CZECHOSLOVAKIA

J. HASSMANNNOVA, Department of Pathological Physiology, Faculty of General Medicine (Ustav patologické fyziologie fakulty všeobecného lekarství,) Head (prednosta) Docent Dr J. MYSLIVEČEK, DrSc, Prague.

"Role of the Neopallium and Visual Reception in the Development of Some Spatial Orientation Reactions."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 63; pp 121-12%.

Abstract [English summary modified] : Studies to determine cortical influence on complex spatial orientation: 106 control rats, rest operated on day 5 of life: 149 cut cortical-subcortical tracts, 52 bilateral eye enucleation, 44 both these operations; compare performance on simple (fall, turn) and complex (escape, climb down) reflexes. Generally, enucleation was more easily compensated for than cerebrotomy. Two tables, photograph, 5 graphs; 12 Czech, 10 Soviet & 2 Western references.

1/1

CZECHOSLOVAKIA

P. SOBOTKA, J. MYSLIVEČEK, J. HASSMANNNOVA and J. ZAHÁJAVÁ, Department of Pathological Physiology of Medical Faculty of Charles University (Ustav patologické fyziologie lékařské fakulty Karlovy Univerzity) Plzeň.

"Effect of Some Pharmacologic and Physical Agents on Cerebral Electrical Activity During Development."

Prague, Activitas Nervosa Superior, Vol 5, No 2, May 63; pp 187-188.

Abstract : Effect of 1 and 10% acetylcholine applied directly to dura in rats onto EEG varied considerably according to their age and state of wakefulness or anesthesia; most prominent is activation of fast waves with 10 Ach in adult anesthetized rats. Local cooling generally depresses activity. Authors' previous studies in dogs yielded similar results. Graph; 5 Czech references.

1/1

MYSLIVECEK, J.; HASSMANNOVA, J.; SPRINGER, V.

Experimental analysis of higher nervous activity in rats  
with bilateral and unilateral elimination of the cerebral  
hemispheres (spreading depression). Cas.lek. cesk. 103  
no. 6:140-147 7 Mr'64.

1. Ustav patologicke fyziologie lekarske fakulty KU v  
Plzni; prednosta: doc.dr. J.Myslivecek, DrSc.

\*

HASSMANNOVA, J.

Significance of the neopallium and visual receptors for the  
development of space orientation reactions. Activ. nerv. sup. 5  
no.2:121-129 My '63.

1. Ustav patologické fyziologie fakulty všeobecného lekarství  
v Praze, prednosta doc. dr. J. Myslivec, DrSc.  
(CEREBRAL CORTEX) (TELENCEPHALON)  
(ORIENTATION) (CENTRAL NERVOUS SYSTEM)  
(VISUAL PERCEPTION)

SOBOTKA, P.; MYSLIVECEK, J.; HASSMANNNOVA, J.; ZAHLAVA, J.

Effect of various humoral and physical factors on the  
electrical activity of the brain during development. Activ.  
nerv. sup. 5 no.2:187-188 My '63.

1. Ustav patologicke fyziologie lekarske fakulty KU, Plzen.  
(BRAIN ELECTROPHYSIOLOGY)  
(CENTRAL NERVOUS SYSTEM)  
(AGING) (ACETYLCHOLINE)  
(ELECTROENCEPHALOGRAPHY)

HASSMANNNOVA, J.

Bioelectrical manifestations of the relationships between  
specific regions of the thalamus and the cerebral cortex.  
Acta nerv. sup. (Praha) 6 no.4: 412-428 '64.

1. Ustav patologicke fyziologie fakulty vseobecneho lekarstvi  
Karlov University, Plzen.

HASSMANNOVA, J.; MYSLIVECEK, J.; ROKYTA, R.; ZAHLAVA, J.

The development of the diencephalocortical portion of the auditory pathway. Activ. nerv. sup. (Praha) 7 no.2:124-127 '65

SOBOTKA, P.; MRAVÍČEK, J.; ZÁHORÁK, J.; ŠALÍK, B.; VODNÝ, J.

Age differences in the effect of drugs with sympathetic activity  
on EEG and evoked potentials. Activ. nerv. sup. (Praga) 7 no. 3:  
129-132 '65

1. Institute of Pathological Physiology, Medical Faculty Charles  
University. 2. P. Sobotka's address: Plzeň, Lidická 1.

L 12965-66

ACC NR: AP6005628

SOURCE CODE: CZ/0079/65/007/002/0124/0127

8B

AUTHOR: Hassmannova, J.; Myslivecek, J.; Rokytka, R.; Zahlava, J.

ORG: Institute of Pathological Physiology, Medical Faculty, Charles University, Plzen

TITLE: Development of the diencephalocortical portion of the auditory pathway [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 124-127

TOPIC TAGS: cerebral cortex, experiment animal, bioelectric phenomenon, audition

ABSTRACT: Maturation of primary specific responses of new-born animals differ from those of the adult by the variability of waves, lower amplitude, longer latency, and high fatiguability. Auditory cortex of immature mammals reacts to electrical stimulation of corpus geniculatum mediale (GM) immediately after birth. Response in gyrus ectosylvius anterior has a primary negativity. Bioelectrical manifestations of excitability of the primary auditory cortex were investigated. Intergeniculate relationships investigated in various animals are discussed. Orig. art. has: 3 figures.

[JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 014

SOV REF: 002

Card 1/1 Hw

L 12847-66 EVT(1)/EWA(j)/EWA(b)-2 RO

ACC NR: AP6005630

SOURCE CODE: CZ/0079/65/007/002/0129/0132

AUTHOR: Sobotka, P.; Myslivecek, J.; Zahalava, J.; Rokytka, R.; Hashmanova, J.

ORG: Institute of Pathological Physiology, Medical Faculty, Charles University, Plzen

TITLE: Age differences in the effect of drugs with synaptical activity on EEG and evoked potentials [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 129-132

TOPIC TAGS: electroencephalography, drug effect, nervous system drug, dog, rat, cerebral cortex, nervous system drug

ABSTRACT: Local application of drugs influencing synaptic transmission was studied. Acetylcholine (ACh), gamma-aminobutyric acid (GABA), and strychnine (ST) were used in the experiments. EEG and activity of the medial geniculate body (GM) evoked by sound or electrical stimulation in rats and dogs were investigated. Cerebral cortex is very sensitive to ACh in the first postnatal period. GABA and ST show an opposite effect in this period, as compared to adult life, when it increases the amplitude of both components of EP (GABA) and potentiates both phases of EP (ST). In adult dogs and rats, ACh activates the negative phase of EP waves. This is probably due to activation of more superficially located cortical layers. Orig. art. has: 3 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: none

Card 1/1 H (u)

## CZECHOSLOVAKIA

HASSMANNova, J.; MYSLIVECEK, J.; Institute of Pathological Physiology,  
Medical Faculty, Plzen. [Original version not given].

"Changes in the Activity of the Thalamocortical Part of the Auditory  
Pathway After Local and Total Cooling During Postnatal Development."

Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, pp 174-175

Abstract: Experiments were conducted on puppies and kittens. Local cooling of gyrus ectosylvius medius results in a decrease of the amplitude of the negative phase of cortical response and an increase in the preceding positive wave. The reactions are strongest in young animals. Latency of the cortical component of the response increases. The 1st negative wave is most resistant and disappears 20-25 minutes after cooling; the 2nd negative-positive phase, the non-specific response, is most sensitive to local cooling. This may be explained by the preponderance of activity of neurons in deeper layers during local cooling. It may also be due to different sensitivity of various neurons to cooling. 1 Figure, 5 Western, 3 Czech, 1 Russian reference. Submitted at the 4th Interdisciplinary Conference of Exper. and Clinical Study of Higher Nervous Functions at Marianske Lazne, 12-15 Oct 65.

1/1

## CZECHOSLOVAKIA

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617910019-7  
HASSMANNova, J., MYSLIVECEK, J., Institute of Pathological Physiology, Medical Faculty, Charles University, Plzen.  
[Original version not given].

"The Relationship of Thalamic and Cortical Auditory Areas."

Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, p 179

Abstract: The interrelation of both medial geniculate bodies (GM) participates in the transmission of excitation to the contralateral hemisphere. When one GM is eliminated by butane cooling for 5 minutes to 4 - 7°C the response in the cortical area on the side of stimulation remains unchanged in most animals; in some the amplitude is reduced by about 10%. The responses on the cooled side disappeared completely in some cases, amplitude decreased by 50 - 100%, and latency lengthened. The experiments were conducted on rats. 1 figure, no references. Submitted at the 4th Confer. of Exper. and Clin. Study of Higher Nerv. Functions at Marianske Lazne 12-15 Oct 65. Article is in English.

1/1

EURESOVA, O.; EURES, J.; HASSMANNova, J.; FIFKOVA, E.

The effect of decreased body temperature on conditioned reflex

HASSNY, T.

"Rubber waste", p. 538, (Horyzonty Techniki, Vol. 6, no. 12, Dec. 1953, Warszawa)

Vol. 3, No. 3  
SO: Monthly List of East European Accessions, Library of Congress, March 1954, Uncl.

HASSNY, T.

"An improvement which produced substantial gains. p. 234." (ZYCIE GOSPODARCZE,  
Vol. 8, no. 8, Feb. 1953, Warszawa, Poland.)

SO: East European, I. C. Vol. 2, No. 12, Dec. 1953

HASSNY, T.

"Problems Involved in the Utilization of Waste Rubber." P. 104,  
(CHEMIK, Vol. 7, No. 4, Apr. 1954, Katowice, Poland.)

SO: Monthly List of East European Accessions, (EHAL), LC, Vol. 3,  
No. 12, Dec. 1954, Uncl.

HASSNY, T.

(MOTORYZACJA, Vol. 9, No. 1, Jan. 1954 Warszawa, Poland)  
"Struggle for the economy of tires." p. 15.

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954

HASSNY, T.

HASSNY, T. More about saving tires. p. 369

Vol. 10, no. 12, Dec. 1955

MOTORYZACJA

TECHNOLOGY

Warszawa, Poland

So: East European Accession, Vol. 5, No. 5, May 1956

HASSNY, T.

Retreading and repairing automobile tires. P. 43  
MOTORYZACJA (Ministerstwo Transportu Drogowego i Lotniczego)  
Warszawa Vol. 11, no. 2, Feb. 1956

SOURCE: EEWAL LC Vol. 5, no. 7, July 1956

HASTERMAN, Z.

621.314.2.642 : 621.317.5.1.1.3

4962. Impulse dielectric strength of transformers.  
Z. HASTERMAN. Przeglad Elektrotech., 31, No. 2-3,

52-64 (1959) Bi-Polish.

Factors influencing the choice of voltage levels for impulse and a.c. tests are discussed. It is shown that these voltages can be expressed theoretically as simple functions of the operating voltage. A review is made of methods used for determining impulse strengths in transformers and it is concluded that in view of the complexity of the problem theoretically and of its relative simplicity empirically (due to the application of the recurrent surge oscillograph) only simple theoretical calculations for typical transformer designs are of practical value. Thus the concept of the effective capacitance is useful for simplification of the equivalent capacitance diagram in the case of a non-uniform winding and the use of general formulas with suitable correcting factors facilitates calculations of the equivalent diagram components. The method of calculating peak voltages in oil ducts between coils due to Frid [Absir. 67 (1951)] is extended to transformers with reinforced end-turns. It is also made more accurate by replacing in it the exponential curve of voltage gradient distribution by a pair of curves. Finally, formulas for calculating electrostatic shielding are given.

E. M. Deakins

EB

PHASE I BOOK EXPLOITATION

POL/4881

Hasterman, Zygmunt

Przebiegi udarowe w transformatorach; teoretyczne podstawy obliczania (Surge Waves in Transformers; Theoretical Computation Principles) Warsaw, Państwowe Wydawn. Naukowe, 1960. 184 p. (Series: Postępy techniki wysokich napięć, zesz. 2)  
Errata slip inserted. 1,000 copies printed.

Sponsoring Agency: Polska Akademia Nauk.

Editorial Committee: Chairman: Janusz Lech Jakubowski; Secretary: Wacław Lidmanowski; Members of the Editorial Committee: Zygmunt Hasterman and Tadeusz Stępniewski.

PURPOSE: This book is intended for engineers who design electric transformers. It may also be used by students in electrical engineering schools of higher education.

COVERAGE: The author discusses and analyzes two methods of investigating electric shock waves in transformers. A method of

Card 1/7

Surge Waves (Cont.)

POL/4881

investigating a surge wave based on the fundamental laws of physics is described, followed by a discussion of a method of fairly accurate computation of this phenomenon in the most vulnerable points of the transformer insulation system. Emphasis is placed on an explanation of the physical aspects of this phenomenon. Practical methods of computing capacitively coupled circuits are discussed, but greater attention is paid to complex problems of magnetic coupling, although they are less significant for practical calculation. This is explained by the fact that theoretical mastering of the mechanism of surge waves in a transformer may be achieved only through the solution of magnetic-coupling problems. This work is based largely on experiments and studies made at the Zakład Wysokich Napięć Instytutu Elektrotechniki (High-Voltage Department of the Institute of Electrical Engineering) in the years 1950 to 1959. The author thanks Włodzisław Lech, Docent, and Barbara Życzynska, Master of Science, for their help in editing the text. There are 49 references: 8 Soviet, 1 Czech, 22 English, 3 French, 6 German, and 9 Polish.

Card 2/7

HASTERMAN, Z., doc.

Connecting systems of power transformers. Przegl elektrotechn 37 no.12:  
509 '61.

(Electric transformers)

1238v

Z/056/62/019/010/002/002  
D006/D102

AUTHOR: Hastiaz, L.

TITLE: Mechanized mass soldering in electronic equipment production

PERIODICAL: Přehled technické a hospodářské literatury. Hutiectví a strojírenství, v. 19, no. 10, 1962, 617, abstract # HS 62-7836.  
Zváranie 11, no. 6, June 1962, 177-178

TEXT: The article describes the operating principle of equipment for mass soldering. The composition of the liquid flux used is: 3-5% triethanolamine borate, 15-20% laurylamido ethyl pyridine chloride, and 75-80% ethyl alcohol. The equipment is controlled from a separate switching panel designed for automatic switching of operating temperature by means of a protective electrical device which prevents the pump motor of the tin bath from starting before the preset operating temperature is reached. The original article contains 5 figures. [Abstracter's note: Complete translation.]

Card 1/1

. HASU , Eugen, ing.

Working systems of naval engines during operation. Rev transport  
ll no. 6:271-278 Je '64.

HASU, Eugen, ing.; BRADLER, Victor, ing.

The Dobrogea and Bucuresti cargo boats of 10630/12860  
d.w.t. Rev transport ll no.10:468-471 O '64.

HASU XENIA (MD)

ROMANIA

SZEKELY, P., MD; PALENCsar, A., MD; MAGY, A., MD; HASU, Xenia, MD.

Clinical Hospital for Contagious Diseases in Targu Mures  
(Spitalul clinic de boala contagioasa din Tg. Mures) - (for all)

Bucharest, Vitata Medicala, No 1, 1 Jan 64, pp 19-26

"Observations in Connection with 74 Cases of Acute Liver  
Dystrophy as a Consequence of Epidemic Hepatitis."

(4)

HASZ, Istvan

State of our power resources in the 3d five-year plan and  
the tasks of the energeticists. Mszs elet 19 no.24;3 19  
N '64.

1. Head, National Power Economy Authority, Budapest.

HASZ, Istvan

Current problems of power economy. Ipari energia 1 no.1/4:14-21  
Jl-0 '60.

1. Orszagos Energiagazdalkodasi Hatosa vezetoje.

HASZ, Istvan; VAJTA, Laszlo; KISS, Istvan; MORA, Ferenc; RASZTOCZY, Erno;  
DEKAN, Sandor

Organizational questions of the gas industry. Energia es atom  
13 no.3;117-121 Mr '60.

1. Fovarosi Gazmuvek (for Kiss). 2. Budapesti Partbizottsag Ipari  
Osztalya (for Dekan).

HASZCZYSKSI, JANUSZ.

POLAND/Chemical Technology - Chemical Products and Their  
Application, Part 3. - Hydrocarbons and Their  
Treatment.

H-25

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22949

Author : Stanislaw Godwod, Zbigniew Zareba, Janusz Haszczynski  
Inst : ~  
Title : From Studies of Methods of Milk-of-Lime Purification.

Orig Pub : Gaz. cukrown., 1956, 58, No 12, 310-312

Abstract : The methods applied to the purification of milk of lime (ML) are discussed. The results of milk of lime purification at two plants using vibrators (V) and two other plants using decantators (D) are compared. It is found that the V-s yield better results and occupy less space than the D; a disadvantage of the V-s is a rapid wear of screens, the serviceability of which is about 2 weeks in the average. The purification result depends on the closeness of sieves. It is suggested to treat ML in V-s

Card 1/2

POLAND/Chemical Technology - Chemical Products and Their  
Application, Part 3. - Hydrocarbons and Their  
Treatment.

H-25

**APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617910019-7"**

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 22949

after having separated the unslackened lime in a Mick's apparatus, and, after having it strained, the lead ML into a tank with an agitator, from which it should be delivered with a pump to defecation.

Card 2/2

HASZCZYSKSI, J.

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Application. Carbohydrates and Refinement.

H-26

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000617910019-7

HASZCZYNSKI, J., inz.

Construction work in Iran. Przegl techn no.50:7 16 D '62.

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000617910019-7"

HASZLINSZKY, Tamas

"Stalactite caves" by Laszlo Jakucs. Reviewed by Tamas  
Haszlinszky. Elet tud 19 no. 20:930 15 My '64.

HASZNOS, József, dr.

Complex brigade contracts. Vasut 12 no.10:11 25 0 '62.

1. Godollo allomasfonoks.

RECORDED, D.

Some functional properties of hypothalamic inhibition. B. Grastyán,  
K. Lissák, L. Hasánov, and I. Molnár (*Acta physiol. Acad. Sci.  
Hung.*, 1953, 4, 241-252).—Simultaneous stimulation of the  
motor cortex and the hypothalamus by two square wave stimulators  
with a stereotactic instrument in cats under ether, chloralose, or  
Evipan were carried out and the foreleg flexion elicited by motor  
cortex stimulation, arterial blood pressure and lung ventilation  
were recorded. The existence of independent and coherent somato-  
motor inhibitory system was demonstrated in the region of the  
tuberal nuclei; area pre-optica, also in the septal nuclei as well as  
in the lateral part of the caput nuclei caudati. A parallelism was  
regularly seen between inhibition and parasympathetic modification  
of blood pressure and lung ventilation. A close functional inter-  
dependence of the facilitatory and inhibitory systems was proved  
by post-stimulatory rebound and prolonged periodical fluctuation.  
A. B. L. Bravák.

HASZNOS, T. 1951  
(Physiol Inst. U. of Pecs)

"Elecrocorticographic Studies on Conditioned Reflexes."

Acta Physiol (Budapest), 1951 2/1 supple (14-15)  
No abst. in Exc. Med.

LISSAK, K.; ENDROCZI, E.; HASZNOS, T.

Effect of cortical denervation upon acetylcholin-cholinesterase system and excitability of the central nervous system. Acta physiol. hung. 3 no.1:39-48 1952.  
(CLML 24:3)

1. Of the Institute of Physiology of Pecs University.

GRASTYAN, E.; HASZNOS, T.; LISSAK, K.; MOLNAR, L.; RUZSONYI, Z.

Activation of the brain stem activating system by vegetative afferents;  
a preliminary report. Acta physiol. hung. 3 no.1:103-1022 1952.  
(CIML 24:3)

1. Of the Institute of Physiology of Pecs University.

HASZNOS, T.

Analysis of hypothalamic reaction reversal. E. Grastyán, K. Lissák, and T. Hasznos (*Acta Physiol. Acad. Sci. Hung.*, 1953, **4**, 253-259).—The effects of the stimulation of various points in the hypothalamus on the movements of the foreleg elicited by stimulation of the motor cortex together with femoral blood pressure and lung ventilation were recorded in cats under ether and Evipan anesthesia. Square waves of intensities varying between 2.5-12 v. and frequencies 24 to 192 cycles/sec. were used. Reaction reversal in the case of direct hypothalamic stimulation is a function of the intensity of the stimulus and is due to current dispersion. At voltages not leading to dispersion a change in frequency influences only the size but not the direction of the reaction. It is concluded that two systems, a facilitating and an inhibiting, forming a functional unit exist in the hypothalamus. A. B. L. BEZNÁK.

HASZNOS, L.

MEREI, Ferenc, dr.; GASTYAN, Endre, dr.; HASZNOS, Tivadar, dr.

The significance and treatment of increase of intracranial pressure following cranial injuries. Magy. sebeszet 7 no.1: 53-59 Feb 54.

1. A Pecsi Orvostudomanyi Egyetem Ideg-es Elemeklinikajának es Elettani Intezetének kozlemenye.

(BRAIN, wds. & inj.

causing increase of intracranial pressure, ther.)

(WOUNDS AND INJURIES

brain, causing increase of intracranial pressure, ther.)

(CEREBROSPINAL FLUID, physiol.

pressure increase following cerebral inj., ther.)

HASZNOS, T.

HUNGARY/Human and Animal Physiology - General Problems.

V-1

Abs Jour : Ref Zhur - Biol., No 1, 1958, 3638

Author : M. Bauer, T. Hasznos, K. Lissak, I. Madarasz

Inst : -

Title : An Improved Method for the Automatical Registration of Saliva Secretion.

Orig Pub : Kiserl. orvostud., 1955, 7, No 5, 497-500

Abstract : In the system of Makarychev, the glass reservoir into which the saliva drops, displacing an equal amount of liquid, is replaced by a convoluted glass tube - which prevents saliva from getting mixed with water. The mechanical contact closing the circuit at the dropping of each drop of saliva is replaced by a microphone with an intensifier.

Card 1/1

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000617910019-7"

HASZNOS, Tivadar, Dr.

Effect of vasomotor reflexes on pathological electroencephalogram.  
Ideg. szemle 12 no.5:156-159 May 59.

1. A Budapesti Orvostudomanyi Egyetem Neurologiai Klinika Janak  
(igazgato: dr. Horanyi Bela egyetemi tanar) kozlemenye.  
(ELECTROENCEPHALOGRAPHY, in various dis.  
eff. of vasomotor reflexes (Hun))  
(BLOOD VESSELS, physiol.  
vasomotor reflexes, eff. on EEG (Hun))

BEKERNY, Gyorgy, dr.; HASZNOS, Tivadar, dr.; SOLTI, Ferenc, dr.

Investigations on paroxysmal myoplegia. I. Hypokalemic form.  
Electrophysiological investigations, determination of aldosterene  
excretion and muscle biopsy in familial cases. Ideg.szemle 13  
no.1:1-14 Ja '60.

1. A Budapesti Neurologiai Klinika (ig.: Horanyi Bela dr. egyet.  
tanar) es a Budapesti I. Belklinika (ig.: Rusznyak Istvan dr.  
egyet. tanar) koslemenye.

(PARALYSIS etiol)  
(POTASSIUM deficiency)  
(ALDOSTERONE urine)  
(ELECTROENCEPHALOGRAPHY)

FENYO, Egon, dr.; HASZNOS, Tivadar, dr.

Relationship between alpha-rhythm depression time, reaction time,  
reflex time and electrical cortical activity. Ideggyogy. szemle 15  
no.4:97-104 Ap '62.

1. A Budapesti Orvostudomanyi Egysistem Neurologiai Klinikajának kozlemenye  
(Igazgató: Horanyi Bela dr. egyetemi tanár)

(CEREBRAL CORTEX physiol) (ELECTROENCEPHALOGRAPHY)

HASZNOS, T.

HUNGARY

FENYÖ, Iván, Dr., HASZNOS, János, Dr.; Medical University of Budapest,  
Neurological Clinic (Budapesti Orvostudományi Egyetem, Neurologiai Kli-  
nika) (director: MÓPANYI, Béla, Dr., professor).

"The Reactivity of Periodic EEG Complexes in Subacute Panencephalitis,  
the Influence of Drugs and the Effect on Breathing."

Budapest, Idegenyország Szemle, Vol XIV, No 3, Mar 63, pages 65-77.

Abstract: [Authors' German summary modified] The stimuli used by the  
authors did not influence either the form or the periodicity of the  
complexes. It seems that the periodic EEG appearance of panencephalitis  
can not be influenced by external stimuli once they reach stable period-  
icity. Intravenous doses of Evipan never resulted in fast activity which  
is characteristic of the initial state of barbiturate anaesthesia. The  
lack of such action is explained by the panencephalitic cortex lesion.  
After Mg-imide injection, the cramp potentials were initially observed  
only in the stage of periodic complexes. The conclusion seems justified  
that the periodic complex represents a state of increased excitability  
which facilitates the appearance of cramp potentials. There is a great

1/2

HUNGARY

HASZMOS, Tivadar, Dr., FENYO, Egon, Dr., ANTAL, János, Dr.; Medical University of Budapest, Neurological Clinic (Budapesti Orvostudományi Egyetem, Neurologiai Klinika) (director: HORANYI, Béla, Dr., professor).

"Extracranial Electrostimulation I. The Effect of Electrostimulation on the EEG."

Budapest, Idegggyógyászati Szemle, Vol XIV, No 10, Oct 1963, pages 289-296.

**Abstract:** [Authors' Hungarian summary modified] Square wave current impulse has been applied through electrodes on the skin locally and bitemporally, by the authors. Local impulses were also given with bipolar electrodes. The frequency was varied between 2-10,000/sec, duration between 0.03-100 msec. The voltage used was in general 30 V. The impulses lasted 30 and 60 sec. The EEG was taken immediately after the impulses were suspended. The test was carried out on 18 patients. Patients with tumors showed an intensification of the slow activity and signs of focal stimulation. In cases of temporal epilepsy, the intensification of focal symptoms; in post-traumatic patients, the activation of the slow focus was evidenced. Bitemporal impulsive resulted in centrencephalic paroxysms in patients with centrencephalic epilepsy; in patients with temporal epilepsy, the activation of slow local signs and signs of excitation were the result. In the opinion of the authors, the local impulse is suitable mainly for the stimulation of cortical and neighbouring structures while bitemporal electrostimulation affects the mesodiencephalon. All Western references.

FENYO, Egon  
APPROVED FOR RELEASE; 09/19/2001 CIA-RDP86-00513R000617910019-7"

Activation of the periodic EEG complex of subacute panencephalitis, its pharmacological modification and its relation to respiration.  
Idegggyógy. szemle 16 no.3:65-77 Mr '63.

1. A Budapesti Orvostudományi Egyetem Neurologiai Klinikájának  
(Igazgató: dr. Horanyi Béla egyetemi tanár) közleménye.  
(ENCEPHALITIS) (ELECTROENCEPHALOGRAPHY)  
(RESPIRATORY FUNCTION TESTS) (LIGHT) (SOUND) (HEXOBARBITAL)  
(MUSCLE RELAXANTS)

HASZNOS, Tivadar, dr.; FENYO, Egon, dr.; ANTAL, Janos, dr.

Extracranial electric stimulation. I, The effect of electric  
stimulation on the EEG. Ideggyogy. szemle 16 no.10:289-296  
O '63.

1. A Budapesti Orvostudomanyi Egyetem Neurologiai Klinikajának  
(Igazgató: Horányi Béla dr. egyetemi tanár) közleménye.  
(BRAIN ELECTROPHYSIOLOGY) (ELECTROENCEPHALOGRAPHY)  
(BRAIN NEOPLASMS) (EPILEPSY) (MULTIPLE SCLEROSIS)  
(MIGRAINE) (BRAIN INJURY, ACUTE)

HASZNOS, Jozsef, dr.

Overloading, bureaucracy, working time distribution in the  
commercial traffic service. Vasut 15 no.3:30 Mr '65.

ANTAL, Janos, dr.; HASZNOS, Tovadar, dr.; FENYO, Egon, dr.

Extracranial electric stimulation. II. Effect of electric stimulation on the number of circulating eosinophils. Ideggyogy szemle 17 no.6:179-187 Je'64.

1. A Budapesti Orvostudomanyi Egyetem Neurologiai Klinika-janak (Igazgato: Horanyi, Bela, dr., egyetemi tanar )kozlemenye.

NAGY, Angela; HASZNOSNE SZOLLOSI, Ilona

A woman's invention: to save our old treasures by plastics. Ujít  
lap 13 no.10:9 My '61.

l. Országos Levéltár Keziratrestauráló Laboratoriumának vezetője.  
(for Hasznosne Szollosi)

(Hungary--Manuscripts, Conservation and restoration)

HASZPRA, O.

Laboratory tests for measuring irrigation water. p. 280.

BESZANOLO. Budapest, Hungary. 1957 (published 1959)

Monthly List of East European Accessions, (EEAI) LC, Vol. 9, No. 1, Jan. 1960

Uncl

HASZPRA, Otto

A new type shunt-circuit flowmeter. Vizugyi koal no.1:130-132  
159.

HASZPRA, Otto

Theory and applications of the shunt-circuit water discharge measurement. Vizugyi kozl no.48549-572 '59.

HASZPRA, Otto

Some remarks on errors in reading nomograms. Mat kut kozl MTA 4 no.3/4:  
321-326 '59. (EEAI 9:9)

1. Vizgazdalkodasi Tudomanyos Kutato Intezet, Budapest.  
(Nomography (Mathematics))

HASZPRA, Otto

Designing point line nomograms with accuracy prescribed; hydraulic  
applications. Muszaki kozl MTA 28 no.1/4:323-350 '61.  
(EEAI 10:9)

1. Vizgazdalkodasi Tudomanyos Kutato Intezet Kiserleti Osztalya.

(Nomography(Mathematics)) (Aggregates)  
(Hydraulic engineering)

HASZPRA, Otto, okleveles mernok

A method for conversion of graphically determined relationships. Vizugyi kozl no.3:479-483 '62.

1. Vizgazdalkodasi Tudomanyos Kutato Intezet tudomanyos munkatarsa.

HASZPRA, Otto

Design of linear nomograms with prescribed accuracy; the application of linear nomograms in hydraulics. Muszaki kozl MTA 30 no.1/4:261-273 '62.

1. Vizgazdalkodasi Tudomanyos Kutato Intezet.

HASZPRA, Otto

Examination of broken-plate transitions. Hidrologiai kozlony  
42 no.2:153-157 Ap '62.

1. Vizgasdalkodasi Tudomanyos Kutato Intezet.

HASZPRA, Otto, okleveles mernok, tudomanyos munkatars

Model tests of the water discharge recording segment of  
sedimentary water course. Vizugyi kozl no.3:379-385 '63.

1. Vizgazdalkodasi Tudomanyos Kutato Intezet.

HASZPRA, Otto

Model tests in the service of the development of irrigation.  
Muszaki koal MTA 33 no.1/4:63-81 '64

1. Vizgazdalkodasi Tudomanyos Kutato Intezet, Budapest.

HASZPRA, Otto

"Nomography" by M.V.Pentkovszkiy [Pentkovskiy, M.V.]. Reviewed by Otto Haszpra. Hidrologiai kozlony 39 no.5:356 0'59.

HASZPRA, Otto

"A history of engineering" by Pal Andrai. Reviewed by Otto  
Haszpra. Hidrologiai kozlony 40 no.3:249 Je '60.

HASZPRA, Otto

Function scales and their application in hydraulics.  
Hidrologiai kozlony 41 no.1:50-55 F '61.

1. Vizgazdalkodasi Tudomanyos Kutato Intezet, Budapest.

HASZPRA, Otto

Broken plane transition. Hidrologiai kozlony 41 no.6:494-504  
D'61.

1. Vizgazdalkodasi Tudomanyos Kutato Intezet, Budapest.

HASZPRA, Otto

Problem of quadratic weir. Epites kozleked tud kozl 7 no.1/2;  
203-213 '63.

HASZPRA, Otte

Surface pickup box. Hidrolegiai kezlon 43 no.2:139-145 Ap '63.

1. Vizgazdalkodasi Tudomanyos Kutato Intezet, Budapest.

HASZPRA, Otto

Model testing of the water discharge gauge in the Pecsi-viz  
Brook at Gerde. Hidrologiai kozlony 44 no.1:30-32 Ja'64.

1. Vizgazdalkodasi Tudomanyos Kutato Intezet, Budapest.

HASZPRA, Otto

Application of surface measuring heads in open canals and pipe-like hydraulic constructions. Hidrologiai kozlony 44 no.6:237-243 Je '64.

1. Chair of Hydraulic Engineering, Technical University of Building and Transportation, Budapest.

HASZPRA, Otto, tudomanyos munkatas (Budapest)

Model tests in hydraulic engineering, Term und Koel 4 no.7,  
312-315 Jl '60.

KHASPRAY, O. [Haszpra, O.] (Budapest)

Nomenclography in Hungary. Nomen. sbor. no.2:16-20 '64. (MIRA 18;3)

L 13376-66

ACC NR: AP6007063

SOURCE CODE: HU/0017/65/017/003/0185/0186

AUTHOR: Haszpra, Otto

ORG: none

TITLE: Definition of the plumb line

SOURCE: Geodezja es kartografia, v. 17, no. 3, 1965, 185-186

TOPIC TAGS: gravitation field, solid statics

ABSTRACT: The plumb (vertical) line is the force-line of the gravitational field. A precise definition of the term is not very easy since in some cases this line is not straight. The geometrical representation of the forces involved indicates that the line of a weighted cord theoretically never coincides with the true plumb line; it merely intersects the force lines, except at its end, where it coincides with these. The plumb line represented by the weighted cord can serve, however, as a means for delineating the true plumb line since it is in a tangential relationship to the former. Orig. art. has: 3 figures. [JPR]

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 001

Card 1/10C

UDC: 528.21

18

B

L 33779-66

ACC NR: AT6025140

SOURCE CCDE: HU/2504/65/051/01-0121/0132

3)

AUTHOR: Haszpra, O.—Khaspra, O.

B+1

ORG: Research Institute for Water Resources, Budapest

TITLE: Problem of the quadratic weir. Proportional flow measurement without disturbance of the water surface

SOURCE: Academia scientiarum hungaricae. Acta technica, v. 51, no. 1-2, 1965, 121-132

TOPIC TAGS: Flow meter, flow measurement

ABSTRACT: The technique for determining the flow volume of liquids such as water with the aid of the quadratic weir, in which the surface of the water and the free movement of any suspended or floating objects are not obstructed, was described. The theory and construction of the quadratic weir was presented. The amount of water flowing through the weir is measured with a conventional flowmeter. The amount directed through the weir is characterized by the equation  $Q = B \cdot h^{1/2}$ , where Q represents the discharge, B represents a proportionality constant, and h represents the weir head. Drawings and numerical examples were given...

Orig. art. has: 9 figures and 22 formulas. [Orig. art. in Eng.] [JPRS: 33,544]

SUB CCDE: 20 / SUBM DATE: 19Mar63 / ORIG REF: 002

Card 1/1

HATAK, J.

"Defects in the tile glaze." (p. 177.) STAVIVO (Ministerstvo stavebnich hmot)  
Praha, Vol 32, No 8, Mar. 1954.

SO: East European Accessions List, Vol 4, No 8, Aug 1954

HATAK, J.

Effect of raw materials and technological processes on the exactness of size and shape of ceramic tiles. p. 135. STAVIVO. (Ministertvo stavebnictvi) Praha. Vol. 34, no. 4, April 1956.

SOURCE: East European Accessions List, (EEAL),  
Library of Congress. Vol. 5, no. 12,  
December 1956.

HATALA, I.; TAMAS, A.; GYONGYOSSY, A.,dr.

On the treatment of eclampsia. Acta chir. acad. sci. Hung. 5 no.4:  
373-386 '64.

1. Geburtshilfliche und Gynäkologische Abteilung (Chefarzt: Dr.  
A. Gyongyossy) des Komitatskrankenhauses, Nyiregyhaza.

HATAIA, Istvan, Dr.

Surgery of duplex developmental anomaly of female genitalia causing diagnostic difficulties. Orv. hetil. 100 no.2:83-85 11 Jan 59.

1. A Szabolcs-Szatmar Megyei Tanacs Korhaza (igazgato-foorvos: Ranko Laszlo dr.) Szuleszet-Nogyogyaszati Osztalyanak (foorvos: Gyongyossy Andor dr. kandidatus) kozlemenye.

(VAGINA, abnorm.

double vagina with monolateral vaginal atresia & double uterus, diag. & surg. (Hun))

(UTERUS, abnorm.

double uterus with double vagina & lonolateral vaginal atresia, diag. & surg. (Hun))

LASZLO, Dr.; HATALA, Istvan, Dr.; GYONGYOSSY, Andor, Dr.

Active therapy of puerperal post-hemorrhage. Orv. hetil. 100 no.5:175-  
181 1 Feb 59.

1. A Szabolcs-Szatmar Megyei Tanacs Nyiregyhazi Kórháza (igazgató:  
Bankó László dr.) Szülesezet-Nagygyógyászati Osztályának (oszt. vezető:  
Gyöngyössy András dr. Kandidátus) közleménye.

(PUPPERIUM, compl.

hemorrh., statist. & ther. by curettage of uterus (Hun))  
(UTERUS, surg.

curettage in puerperal hemorrh. (Hun))

GYONGYOSZI, Andor, dr.; HATALA, Istvan, dr.; TAMAS, Antal, dr.

Treatment of eclampsia in Hungary. Orv. hetil. 106 no. 9  
395-400 28 F '65

1. Nyitegyhazai Megyei Kormaz, Szuleszet-Nogyogyszati Osztaly  
(feorvos: Hatala, Istvan, dr.).

TRANCIK, Peter, inz.; HATALA, Jozef, inz.

Some results of the research on the physicomechanical properties of the deposit and surrounding rocks in the Zelene bane Slovinky mining enterprise. Sbor VST Kosice no. 2:139-143 '63.

1. Chair of Deep Mining, Higher School of Technology, Kosice.

HATALA, M.; PRAT, V.; BENESOVA, D.; Technicka asistence: CAPKOVA, E.;  
DIVIS, Z.; VIIMAROVA, H.; DVORAKOVA, J.; HUEKOVA, M.

Coli bacillus bacteremia in rabbits with normal kidneys. Cas.  
lek. cesk. 102 no.27/28:768-772 8 Jl '63.

1. Ustav klinicke a experimentalni chirurgie v Praze, prednosta  
prof. dr. B. Spacek Ustav pro choroby obehu krevniho v Praze,  
prednosta doc. dr. J. Brod. Katedra patologicke anatomie a  
mikrobiologie fakulty detskeho lekarstvi KU v Praze, prednosta  
prof. dr. V. Kubelka.

(ESCHERICHIA COLI INFECTIONS) (SEPTICEMIA)  
(PYELONEPHRITIS) (URINARY TRACT INFECTIONS)  
(KIDNEY)

PRAT, V.; HATALA, M.; BENESOVA, D.; Technicka asistence: DIVIS, Z.; DVORAKOVA, J.; VAGNEROVA, E.; VIDMAROVA, H.

Experimental contribution to the problem of "nephropathogenity" of some strains of E. coli. Cas. lek. cesk. 103 no.40:1097-1102 20 '64.

1. Ustav pro choroby obehu krevniho v Praze (reditel prof. dr. J. Brod, DrSc.); Ustav klinicke a experimentalni chirurgie v Praze (reditel prof. dr. B. Spacek, DrSc.) a Katedra patologické anatomie a mikrobiologie fakulty detskeho lekarstvi Karlovy University v Praze (vedouci prof. dr. V. Kubelka).

HATALA, M.; PRAT, V.; STRNAD, L.

Use of the TTC and nBT test for the diagnosis of bacteriuria.  
Cas. lek. česk. 103 no.40:1116 20 '64.

1. Ustav klinicke a experimentalni chirurgie v Praze (reditel prof. dr. B. Spacek) a Ustav pro choroby obeshu krevniho v Praze (reditel prof. dr. J. Brod.).

PRAT, V.; HATALA, M.; Technicka asistence: PTACKOVA, M.; HNATEK, J.

Therapy of patients with chronic pyelonephritis with resistant bacteriuria by means of colimycin. Cas. lek. cesk. 103 no.48:  
1332-1337 N 27 '64.

1. Ustav pro choroby obehu krevniho v Praze, (reditel prof. dr. J. Brod, DrSc) a Ustav klinicke a experimentalni chirurgie v Praze, (reditel prof. dr. B. Spacek, DrSc.).

SEDLAK, J.; TOMASOFFOVA, A.; HATALA, M.

On occurrence and aetiological importance of proteus hauseri in infections of man. J.hyg.epidem., Praha 3 no.4:422-430 1959.

1. Institute of Microbiology of Faculty of Hygiene, Prague.  
(PROTEUS INFECTIONS)

SEDIAK,J.; TOMASOFFOVA,A.; HATALA,M.

Contribution to etiopathogenic interpretation of the significance  
of *Proteus hauseri*. *Cesk. epidem. mikrob. imun.*, 8 no.6:408-412  
N '59.

1. Ustav mikrobiologie lekarske fakulty hygienicke Karlovy univer-  
sity v Praze.  
(**PROTEUS INFECTION Sepidemiol.**)

VOJTISEK, V.; SEDLAK, J.; HATALA, M.; ZRUSTOVA, M.; KRAUS, R.

Contribution to the problem of cholangitis. Cas.lek.cesk 100 no.24/25:  
792-797 23 My '61.

1. Chirurgicka klinika LFH KU v Praze, prednosta prof. dr. E. Polak.  
Katedra mikrobiologie LFH KU v Praze, prednosta prof. dr. J. Sedlak.  
Ustav pro patologickou anatomii LFH KU v Praze, prednosta doc. dr.  
J. Stolz. Embryologicky ustav KU v Praze, prednosta prof. dr. Zd.  
Frankenberger.

(CHOLANGITIS surg)

KOCVARA, S.; HAHN, M.; CERVINKA, F.; ZAK, F.; HATALA, M.

Bacteriological examination in chronic prostatitis. Rozhl.  
chir. 42 no.5:321-326 My '63.

1. Ustav klinicke a experimentalni chirurgie v Praze, reditel  
prof. dr. B. Spacek, DrSc. II patologickoanatomicky ustav  
fakulty vseobecneho Lekarstvi KU v Praze, prednosta prof. dr.  
V. Jedlicka.

(PROSTATITIS) (STAPH INFECTIONS)  
(STREPTOCOCCAL INFECTIONS)  
(STREPTOCOCCUS FAECALIS)

CZECHOSLOVAKIA

M. HATALA, V. PRAT and D. BENESOVA, Institute of Clinical and Experimental Surgery (Ustav klinicke a eksperimentalni chirurgie)  
Institute for Cardiovascular Diseases (Ustav pro choroby obehu krevniho)  
Chair of Pathological Anatomy and Microbiology of Faculty of Pediatrics  
Charles University (Katedra patologicke anatomie a mikrobiologie fakulty  
detskeho lekarstvi KU [Karlove University],) Prague.

"Colibacillary Bacteremia in Rabbits with Intact Kidneys and After Unilateral Nephrectomy."

Prague, Ceskoslovenska Fysiologie, Vol 12, No 2, 1963; p 151.

Abstract: Unilateral nephrectomy did not essentially change the susceptibility of rabbits to hematogenous pyelonephritis-pyelitis induced by i.v. inoculation of 1 to  $2 \cdot 10^9$  or 6 to  $10^9$  of E. coli O<sub>26</sub>B<sub>6</sub>. Graph.

1/1

CZECHOSLOVAKIA

HATALA, M., Institute of Clinical and Experimental Surgery (Ustav klinické a experimentální chirurgie), Prague, Prof. Dr B. SPACEK, director; PRAT, V., Institute for Blood-Circulation Diseases (Ustav pro choroby oběhu krevního), Prague, Docent Dr J. BROD, director; and BENESOVA, D., Chair of Pathological Anatomy and Microbiology (Katedra patologické anatomie a mikrobiologie), Faculty of Pediatrics (Fakulta dětského lékařství), Charles University, Prague, Prof. Dr V. KURELKA, director; technical assistance: CAPKOVA, E., DIVIS, Z., VIDMAROVA, H., DVORAKOVA, J., and HUBKOVA, M.

"Colibacillary Bacteremia in Rabbits With Normal Kidney"

Prague, Casopis Lekaru Ceskych, Vol CII, No 27-28, 8 July 1963, pp 768-772.

Abstract [Authors' English summary, modified]: A suspension of nonhemolytic strain of Escherichia coli with different concentrations of microbes was injected into the blood of rabbits with normal kidney. The animals were killed 2 to 48 hours after infection. Forty-seven percent of rabbits had E. coli in urine, when infected with a high dose. After a low dose, E. coli was found only exceptionally. Rabbits with positive finding of E. coli had a great number of microbes in the renal tissue. A high number of E. coli was always accompanied by an inflammatory process in the kidney or pelvis. The penetration of E. coli into urine of rabbits with a normal kidney depends probably on the development of an inflammatory process in the urinary passage.

Ten references, mostly Western.

1/1

HATALA, M.; PRAT, V.; ROSSMANN, P. Technicka asistence: DIVIS, Z.; DVORAKOVA, J.; VAGNEROVA, E.; VIDMAROVA, H.

Pathogenicity of different species of various serotypes of Escherichia coli in the kidneys and urinary tract of rabbits. Rozhl. chir. 44 no.5:326-333 My'65.

1. Ustav klinicke a experimentalni chirurgie v Praze (reditel: prof. dr. B. Spacek, DrSc.); a Ustav pro choroby obehu krevniho v Praze (reditel: prof. dr. J. Brod. DrSc.).

PRAT, V.; HATALA, M.; BENESOVA, D.

The influence of experimental hypertension on the resistance  
of kidneys to haematogenous E. coli infection in the rabbit.  
Cor vasa 5 no.3:211-219 '63.

1. Institute for Cardiovascular Research, Institute for  
Clinical and Experimental Surgery, Prague, and the Depart-  
ment of Pathology, Paediatric Faculty, Caroline University,  
Prague.

(PYELITIS) (PYELONEPHRITIS)  
(ESCHERICHIA COLI INFECTIONS)  
(HYPERTENSION, RENAL)

HATALA, H.; RAST, M; BEHL, O. Technicka spoluprace: KRALCOVA, K.;  
VAGNEROVA, E.

"The use of TTC - a test for determining the significance of  
bacteriuria in pregnancy. Cas. lek. cesk. 104 no.8:221  
26 F'65.

1. Ustav klinické i experimentální chirurgie v Praze (ředitel:  
prof. dr. B. Špaček, DrSc.); Ustav pro choroby oběhu krevního v  
Praze (ředitel: prof. dr. J. Brod, DrSc.); a Zemské oddělení Ustavu  
národního zdraví ONV v Praze 4, (ředitel: UNZ MUDr. Z. Vaclavík).

HATALA, M.; PRAT, V.; BEER, O.

Tetrazolium test (T.T.C.) in the screening of asymptomatic bacteriuria in pregnancy. Rev. Czech. med. 11 no.3:198-202 '65.

1. The Institute of Clinical and Experimental Surgery, Institute for Cardiovascular Research, Prague -- Krc, and Department of Gynaecology, Policlinic in Prague 4.

PRAT, V.,(Praha-Krc, Budejovicka 800); HATALA, M.; BEER, O.; SRAMEK, L.;  
VAGNEROVA, E.; Laboratorni spoluprace: KREJCOVA, K.; CHPPOVA, V.

Bacteriuria in pregnancy and its relation to the maturity of  
infants. Cas. lek. Cesk. 104 no.48:1327-1328 3 D '65.

1. Ustav pro choroby obehu krevniho v Praze (reditel prof. dr.  
J. Brod, DrSc), Ustav klinicke a experimentalni chirurgie v  
Praze (reditel prof. dr. B. Spacek, DrSc) a Zenske oddeleni  
Ustavu narodniho zdravi Okresniho narodniho vyboru v Praze 4,  
(reditel MUDr. Z. Vaclavik).

CZECHOSLOVAKIA

UDC 616.61-022.71.48-092.9:576.8.093.2.06

PRAT, V.; HATALA, M.; ROSSMAN, P.; Institute for Blood Circulation Diseases (Ustav pro Choroby Obehu Krevniho), Prague, Director (Reditel) Prof Dr J. BROD; Institute for Clinical and Experimental Surgery (Ustav Klinicke a Experimentalni Chirurgie), Prague, Director (Reditel) Prof Dr B. SPACEK.

"Increase in Nephropathogenicity of E. Coli Following Repeated Passage Through Kidneys."

Prague, Casopis Lekaru Ceskych, Vol 105, No 19, 13 May 66, pp 500 - 504

Abstract /Authors' English Summary modified 7: Experiments were conducted on rabbits with intact kidneys; nephropathogenicity of a strain of E. coli serotype 02 was studied in respect to an increasing number of passages through rabbit kidneys with a temporary ligation of the ureter. Frequency of inflammatory changes in the kidneys rose from 25.9% (with a native strain) to 42.1% (infection after 15-20 passages of the strain). The passage through the body enhances the nephropathogenicity of E. coli. 4 Figures, 3 Tables, 7 Western, 6 Czech references. (Manuscript received 1/1 June 1965).

R/009/60/000/009/001/008  
A125/A026

AUTHOR: Hătărăscu, Ovidiu, Engineer

TITLE: Nonmagnetic Cast Iron as Substitute of Nonferrous Alloys in the Construction of Machines and Electric Apparatus

PERIODICAL: Metalurgia și Construcția de Mașini, 1960, No. 9, pp. 765 - 773

TEXT: Subject article deals with the production of nonmagnetic cast iron to be used in place of bronze and brass alloy machine parts. Manganese alloyed austenitic cast iron proved to be very convenient for this purpose. Reference is made to 4 main types of nonmagnetic cast iron, i.e. with Mn-Ni-Si (Type 1), with Mn-Ni-Cu (Type 2), with Mn-Si-Al (Type 3) and with Mn-Cu-Al (Type 4). To avoid the expensive nickel, a nonmagnetic cast iron in which nickel was replaced by aluminum and copper had been developed by V. Meskin and E. Somin in the USSR and A.L. Norbury and E. Morgan in England. This is the Type 3 alloy. Based on References 1, 2, 3 and 5 and on experiments conducted at the Uzina "Electropuțere" (Plant), the author recommends, however, the Mn-Cu-Al nonmagnetic cast iron of Type 4. The magnetic permeability of this cast iron varies between 1.3 and 2 Gs/Oe and the electric resistivity between 1.6 and  $2\Omega\text{mm}^2/\text{m}$ . The tensile strength increases to 16 kgf/mm<sup>2</sup> and the Brinell hardness ranges between 180 and 230 kgf/mm<sup>2</sup>. The wall Card 1/4 ✓

R/009/60/000/009/001/008  
A125/A026

Nonmagnetic Cast Iron as Substitute of Nonferrous Alloys in the Construction of Machines and Electric Apparatus

thickness of the cast piece is very important for the determination of the chemical composition. The magnetic properties of the cast iron depend on value and proportion of the secondary ferromagnetic phases inherent in the basic material. Up to a carbide content of 17%, the magnetic permeability is below 2.5 Gs/Oe, thus a carbide content of 17 - 19% represents a critical interval. The manganese content influences the magnetic permeability. In case of Mn-Si-Al cast iron the optimum manganese content is 9% and in case of a Mn-Cu-Al cast iron 8%. Because of the presence of carbon, silicon, aluminum and copper, the nonmagnetic nickel cast irons have a lower electric resistivity than those without nickel. Their mechanical properties are equal to those of the usual cast iron. Nonmagnetic cast iron is melted in cupola furnaces, electric furnaces and furnaces with tilting crucibles and can be prepared with or without key alloy. In case of a great quantity, the use of a cupola furnace is to be preferred, in which a key alloy is necessary. The calculation of the charge is based on the formula  $X + Y = 100$ ;

$$X \frac{0.7}{100} + Y \frac{a}{100} = b(1 + \frac{c}{100}), \quad (1)$$

where X = percentage of grey cast iron in kg; Y = percentage of ferromanganese in

Card 2/4

R/009/60/000/009/001/008  
A125/A026

Nonmagnetic Cast Iron as Substitute of Nonferrous Alloys in the Construction of  
Machines and Electric Apparatus

hardness should be checked with every charge. The magnetic permeability should not exceed 2.5 Gs/Oe. If this value is exceeded, a hardening at 950°C and subsequent quenching in oil or water should be applied. Graphs or tables should be established for the characteristic parameters of each melting unit. The reduction of the production costs justifies the use of nonmagnetic cast irons. Tests have been conducted to replace nickel with titanium. A content of 0.2 - 0.3% Ti in nonmagnetic cast iron showed good graphitization. There are 8 tables, 3 figures, 1 photo and 8 references: 5 Rumanian, 1 Soviet and 2 French.

Card 4/4

L 55162-65 EWP(t)/EWP(b) JD  
ACCESSION NR: AP3017646

HJ/0017/64/000/009/0404/1409

17

13

AUTHOR: Hatarascu, O. (Engineer); Atanasiu, Gh. (Engineer); Pietrasanaru, M.  
(Engineer); Dumitru, L. (Engineer)

TITLE: Direct reduction of iron ores by means of the gases obtained through the conversion of methane with water vapors

SOURCE: Metalurgia, no. 9, 1964, 404-409

TOPIC TAGS: metal extracting, iron, methane, gas

ABSTRACT: (Authors' English summary modified): A discussion of the direct reduction of iron ores which summarizes the methods used in various countries (especially the U.S.) and presents a theoretical summary of the preparation of reducing gases by the conversion of methane with water vapor and of the use of these gases for the reduction of iron ores. Orig. art. has 5 figures, 1 table, 19 formulas.

ASSOCIATION: Institutul de cercetari metalurgice (Metallurgical Research Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 010

JPM3

Card 1/1

L 54487-65 EWP(t)/EWP(b) JD  
ACCESSION NR: AP5017713

EM/0017/64/000/010/0425/0429

AUTHOR: Hateganu, O. (Engineer); Atanasiu, G. (Engineer); Pietrovancau, M.  
(Engineer); Dumitru, L. (Engineer)

TITLE: Research on the direct reduction of iron ores with the help of gases  
resulting from the conversion of methane with water steam

SOURCE: Metalurgia, no. 10, 1964, 425-429

TOPIC TAGS: metal extracting, methane, gas, iron

ABSTRACT: The authors report the pilot-plant direct reduction of iron ores in  
tipping reactors, using the gases formed by the conversion of methane with water  
vapor. The two-stage process involves specific consumptions of 600 to 700 Km<sup>3</sup> of  
methane for iron sponge with a 90 percent degree of reduction. Orig. art.  
has 2 figures and 5 tables.

ASSOCIATION: Institutul de cercetari metalurgice (Metallurgical Research Institute)

SUBMITTED: 00

INCL: 00

SUB CODE: M6

NO REF Sov: 000

OTHER: 001

JPM

Card 1/1 gw

PASYK, Stanislaw; HATCH, Fryderyk T.

Effect of pulmonary blood flow on the behavior of lipids in  
the peripheral blood studies in a patient with occlusion of  
the superior vena cava. Pol. tyg. lek. 18 no.50:1876-1878  
9 D'63

1. Z I Kliniki Chorob Wewnetrznych AM w Krakowie (kierownik:  
prof.dr. Leon Tochowicz) i z Oddzialu Przemiany Materii Ogol-  
nego Szpitala w Bostonie (kierownik: prof.dr. F.T.Hatsch).

\*

HATEGAN, Petru; GROZA, Pavel, ing.

Development of the light industry in the six-year plan.  
Probleme econ 15 no.5:161-162 My '62.

1. Director, Intreprinderea 13 Decembrie, Sibiu (for Hategan).
2. Inginer sef, Intreprinderea 13 Decembrie, Sibiu (for Groza).

HATEGANU, Ioan

Treatment of the neutral in the system 35 kv. at Hunedoara.  
Energetica Rum 8 no.7:320-323 J1 '60.

LAZANYI, Andrei; MARKI, Alpar; HATHAZI, Carol; TIMARIU, Aurel

Morphogenesis of sunflower (*Helianthus annuus L.*) after the treatment of its seed with sulfamides, 2,4, and colchicine. Studii biol Cluj 12 no.1:175-188 '61.

l. Academia R.P.R. - Filiala Cluj, Centrul de cercetari biologice, Laboratorul de genetica.